## Your Question Bank for class : xii $\parallel$ Computer Science $\parallel$ DATA STRUCTURE

☐ 1. Which of the following data structure is non-linear data
structure?
A.Arrays
B. Linked lists
C.Trees
D.None of above
Answer : C
<b>Description :</b> Every data item is attached to several other data items in a way that is specific for reflecting relationships. The data items are not arranged in a sequential structure. Ex: Trees, Graphs
Category Code: 1
Edit this question
2 Which of the following date ethicature is linear date ethicature?
2. Which of the following data structure is linear data structure?
A.Trees
B. Graphs
C. Arrays
D.none of the above
Answer · C

**Description**: A linear data structure traverses the data elements sequentially, in which only one data

element can directly be reached. Ex: Arrays, Linked Lists

Category Code: 1

Edit this question

$\Box$ 3. The operation of processing each element in the list is as	known
A.Sorting	
B. Merging	
C. Inserting	
D.Traversal D.Traversal	
Answer : D	
<b>Description</b> : Traversal can be termed as process of visiting data elements in the list and haccessing the element	elp in
Category Code : 1	
	Edit this question
<u> </u>	<u>-uit triio question</u>
4. Finding the location of the element with a given value	is:
A. Traversal	
B. Search	
C. Sort	
D.None of above	
Answer : B	
<b>Description</b> : Search helps in finding the location the element in the list by traversing the li	st
Category Code: 1	
E CONTRACTOR	Edit this question
	•
□ 5. Arrays are best data structures	
A. for relatively permanent bền vững> collections of data	
B.for the size of the structure and the data in the structure are constantly changing	
C. for both of above situation	
•	

Answer: A  Description:  Category Code: 1  Edit this question  6. Linked lists are best suited  A. for relatively permanent collections of data  B. for the size of the structure and the data in the structure are constantly changing  C. for both of above situation  D. for none of above situation  Answer: B  Description:  Category Code: 1  Edit this question  7. Each array declaration need not give, implicitly <sự ý="" ẩn=""> or explicitly<tính ràng="" rõ="">, the information about  A. the name of array  B. the data type of array  C. the first data from the set to be stored  D. the index set of the array  Answer: C</tính></sự>	
Description:  Category Code: 1  Edit this question  6. Linked lists are best suited  A. for relatively permanent collections of data  B.for the size of the structure and the data in the structure are constantly changing  C. for both of above situation  D. for none of above situation  Answer: B  Description:  Category Code: 1  Edit this question  7. Each array declaration need not give, implicitly <sự ý="" ẩn=""> or explicitly<tính ràng="" rõ="">, the information about  A. the name of array  B. the data type of array  C. the first data from the set to be stored  D. the index set of the array  Answer: C</tính></sự>	D. for none of above situation
Edit this question  6. Linked lists are best suited  A. for relatively permanent collections of data  B.for the size of the structure and the data in the structure are constantly changing  C. for both of above situation  D. for none of above situation  Answer: B  Description:  Category Code: 1  Edit this question  7. Each array declaration need not give, implicitly <s\tilde{\mathbf{n}} \til<="" \tilde{\mathbf{n}}="" \tilde{\mathbf{o}}="" \tilde{\mathbf{y}}="" th=""><th></th></s\tilde{\mathbf{n}}>	
Edit this question  6. Linked lists are best suited  A. for relatively permanent collections of data  B. for the size of the structure and the data in the structure are constantly changing  C. for both of above situation  D. for none of above situation  Answer: B  Description:  Category Code: 1  Edit this question  7. Each array declaration need not give, implicitly <s\tilde{x} \tild<="" \tilde{x}="" \tilde{y}="" th=""><td></td></s\tilde{x}>	
A. for relatively permanent collections of data  B.for the size of the structure and the data in the structure are constantly changing  C. for both of above situation  D. for none of above situation  Answer: B  Description:  Category Code: 1  Edit this question  7. Each array declaration need not give, implicitly <sự ý="" ẩn=""> or explicitly <tính ràng="" rõ="">, the information about  A. the name of array  B. the data type of array  C. the first data from the set to be stored  D. the index set of the array  Answer: C</tính></sự>	Category Code: 1
A. for relatively permanent collections of data  B.for the size of the structure and the data in the structure are constantly changing  C. for both of above situation  D. for none of above situation  Answer: B  Description:  Category Code: 1  Edit this question  7. Each array declaration need not give, implicitly <sự ý="" ẩn=""> or explicitly <tính ràng="" rõ="">, the information about  A. the name of array  B. the data type of array  C. the first data from the set to be stored  D. the index set of the array  Answer: C</tính></sự>	
A. for relatively permanent collections of data  B.for the size of the structure and the data in the structure are constantly changing  C. for both of above situation  D. for none of above situation  Answer: B  Description:  Category Code: 1  Edit this question  7. Each array declaration need not give, implicitly <sự ý="" ẩn=""> or explicitly<tính ràng="" rõ="">, the information about  A. the name of array  B. the data type of array  C. the first data from the set to be stored  D. the index set of the array  Answer: C</tính></sự>	Edit this question
B.for the size of the structure and the data in the structure are constantly changing  C. for both of above situation  D. for none of above situation  Answer: B  Description:  Category Code: 1  Edit this question  7. Each array declaration need not give, implicitly <sự ý="" ẩn=""> or explicitly <tính ràng="" rõ="">, the information about  A. the name of array  B.the data type of array  C. the first data from the set to be stored  D. the index set of the array  Answer: C</tính></sự>	☐ 6. Linked lists are best suited
C. for both of above situation D. for none of above situation  Answer: B  Description:  Category Code: 1  Edit this question  7. Each array declaration need not give, implicitly <sự ý="" ẩn=""> or explicitly <tính ràng="" rõ="">, the information about  A. the name of array  B. the data type of array  C. the first data from the set to be stored  D. the index set of the array  Answer: C</tính></sự>	A. for relatively permanent collections of data
D. for none of above situation  Answer: B  Description:  Category Code: 1  Edit this question  7. Each array declaration need not give, implicitly <sự ý="" ẩn=""> or explicitly <tính ràng="" rõ="">, the information about  A. the name of array  B. the data type of array  C. the first data from the set to be stored  D. the index set of the array  Answer: C</tính></sự>	B.for the size of the structure and the data in the structure are constantly changing
Description:  Category Code: 1  Edit this question  7. Each array declaration need not give, implicitly <sự ý="" ẩn=""> or explicitly<tính ràng="" rõ="">, the information about  A. the name of array  B.the data type of array  C. the first data from the set to be stored  D. the index set of the array  Answer: C</tính></sự>	C. for both of above situation
Description:  Category Code: 1  Edit this question  7. Each array declaration need not give, implicitly <sự ý="" ẩn=""> or explicitly<tính ràng="" rõ="">, the information about  A. the name of array  B. the data type of array  C. the first data from the set to be stored  D. the index set of the array  Answer: C</tính></sự>	D. for none of above situation
Edit this question  7. Each array declaration need not give, implicitly <sự ý="" ẩn=""> or explicitly<tính ràng="" rõ="">, the information about  A. the name of array  B. the data type of array  C. the first data from the set to be stored  D. the index set of the array  Answer: C</tính></sự>	Answer : B
7. Each array declaration need not give, implicitly <sự ý="" ẩn=""> or explicitly <tính ràng="" rõ="">, the information about  A. the name of array  B. the data type of array  C. the first data from the set to be stored  D. the index set of the array  Answer: C</tính></sự>	Description :
7. Each array declaration need not give, implicitly <sự ý="" ẩn=""> or explicitly<tính ràng="" rõ="">, the information about  A. the name of array  B. the data type of array  C. the first data from the set to be stored  D. the index set of the array  Answer: C</tính></sự>	Category Code: 1
7. Each array declaration need not give, implicitly <sự ý="" ẩn=""> or explicitly<tính ràng="" rõ="">, the information about  A. the name of array  B. the data type of array  C. the first data from the set to be stored  D. the index set of the array  Answer: C</tính></sự>	
7. Each array declaration need not give, implicitly <sự ý="" ẩn=""> or explicitly<tính ràng="" rõ="">, the information about  A. the name of array  B. the data type of array  C. the first data from the set to be stored  D. the index set of the array  Answer: C</tính></sự>	Edit this question
explicitly <tinh ràng="" rõ="">, the information about  A. the name of array  B. the data type of array  C. the first data from the set to be stored  D. the index set of the array  Answer: C</tinh>	
B.the data type of array  C. the first data from the set to be stored  D. the index set of the array  Answer: C	
C. the first data from the set to be stored  D. the index set of the array  Answer: C	A. the name of array
D. the index set of the array  Answer: C	B.the data type of array
Answer : C	C. the first data from the set to be stored
	D. the index set of the array
	Answer : C
Description:	Description :
Category Code : 1	Category Code : 1

☐ 8. The elements of an array are stored successively in memory
cells because
A. by this way computer can keep track only the address of the first element and the addresses of other elements can be calculated
B. the architecture of computer memory does not allow arrays to store other than serially
C. both of above
D.none of above
Answer : A
Description :
Category Code: 1
Edit this question
9. The memory address of the first element of an array is called
A. floor address
B. foundation address
C. first address
D. base address
Answer : D
Description:
Category Code: 1
Edit this question
☐ 10. The memory address of fifth element of an array can be calculated by the formula
A. LOC(Array[5]=Base(Array)+w(5-lower bound), where w is the number of words per memory cell for the array
B. LOC(Array[5])=Base(Array[5])+(5-lower bound), where w is the number of words per memory cell for

the array
C. LOC(Array[5])=Base(Array[4])+(5-Upper bound), where w is the number of words per memory cell for the array
D. None of above
Answer : A
Description :
Category Code: 1
11. Which of the following data structures are indexed structures?
A. linear arrays
B. linked lists
C. both of above
D. none of above
Answer : A
Description :
Category Code : 1
Edit this question
$\Box$ 12. Which of the following is not the required condition for
binary search algorithm?
A.The list must be sorted
B.there should be the direct access to the middle element in any sublist
C. There must be mechanism to delete and/or insert elements in list
D. none of above
Answer : C
Description :
Category Code: 1

☐ 13. Which of the following is not a limitation of binary search
algorithm?
A. must use a sorted array
B. requirement of sorted array is expensive when a lot of insertion and deletions are needed
C. there must be a mechanism to access middle element directly
D. binary search algorithm is not efficient when the data elements are more than 1000.
Answer: D
Description :
Category Code: 1
Edit this question
□ 14. Two dimensional arrays (mảng 2 chiều) are also called
A. tables arrays
B. matrix arrays
C. both of above
D. none of above
Answer : B
Description :
Category Code: 1
Edit this question
☐ 15. A variable P is called pointer if
A. P contains the address of an element in DATA
B.P points to the address of first element in DATA
C.P can store only memory addresses

homogeneous data elements? <câu dữ="" không="" liệu="" nhất="" trúc="" đồng="">  A.Arrays  B. Records  C.Pointers  D.None  Answer: B  Description:</câu>
A.Arrays  B. Records  C.Pointers
A.Arrays  B. Records  C.Pointers
A.Arrays  B. Records
A.Arrays
17. Which of the following data structure store the non-
Edit this question
Category Code: 1
Description :
Answer : A
D. None
C. Pointers
B. Records
A. Arrays
☐ 16. Which of the following data structure can't store the non-homogeneous data elements? <ko cấu="" dữ="" không="" liệu="" nhất="" thể="" trúc="" đồng=""></ko>
Edit this question
Category Code : 1
Description :
D. P contain the DATA and the address of DATA  Answer: A

Category Code: 1
Edit this question
■ 18. Each data item in a record may be a group item composed of sub-items; those items which are indecomposable <không phân="" thể="" tích="" được=""> are called</không>
A.elementary items
B.atoms
C. scalars
D. all of above
Answer : D
Description :
Category Code: 1
Edit this question
☐ 19. The difference between linear array and a record is
A. An array is suitable for homogeneous data but the data items in a record may have different data type
B. In a record, there may not be a natural ordering in opposed to linear array.
C. A record form a hierarchical structure but a linear array does not
D. All of above
Answer : D
Description :
Category Code: 1
Edit this question
□ 20. Which of the following statements is false?

A.Arrays are dense <dày đặc=""> lists and static data structure</dày>
B.data elements in linked list need not be stored in adjacent space in memory
C. pointers store the next data element of a list <con dữ="" list="" liệu="" phần="" theo="" thành="" tiếp="" trong="" trỏ="" đến=""></con>
D. linked lists are collection of the nodes that contain information part and next pointer
Answer : C
Description :
Category Code: 1
21. Binary search algorithm cannot be applied to
A. sorted linked list
B. sorted binary trees
C.sorted linear array
D. pointer array
Answer : B
Description :
Category Code: 1
Edit this question
<u>Edit tills question</u>
☐ 22. When new data are to be inserted into a data structure, but there is no available space; this situation is usually called
A. underflow
B.overflow
C.housefull
D. saturated
Answer : B
Description :
Category Code: 1

☐ 23. The situation when in a linked list START=NULL is	5
A. underflow	
B. overflow	
C. housefull	
D. saturated	
Answer : A	
Description :	
Category Code: 1	
	Edit this question
□ 24. Which of the following is two-way list?	
A.grounded header list	
B.circular header list	
C. linked list with header and trailer nodes	
D.doubly linked list	
Answer : D	
Description :	
Category Code: 1	
	Edit this question
□ 25. The term "push" and "pop" is related to the	
A.array	

B. lists C. stacks	
D. all of above	
Answer : C	
Description :	
Category Code: 1	
<u>Ec</u>	dit this question
26. A data structure where elements can be added or remeither end but not in the middle	noved at
A.Linked lists	
B.Stacks	
C.Queues	
D.Deque D.Deque	
Answer : D	
Description :	
Category Code: 1	
<u>Ec</u>	dit this question
☐ 27. When inorder traversing a tree resulted E A C K F H	DBG;
the preorder traversal would return	
A. FAEKCDBHG	
B. FAEKCDHGB	
C.EAFKHDCBG	
D.FEAKDCHBG	
Answer : B	
Description :	

Category Code : 1	
	Edit this question
28 Which data structure allows deleting data elemen	
28. Which data structure allows deleting data elements and inserting at rear?	nts from
A.Stacks	
B. Queues	
C. Deques	
D. Binary search tree	
Answer : B	
Description :	
Category Code : 1	
	Edit this question
29. Identify the data structure which allows deletion ends of the list but insertion at only one end	s at both
A. Input-restricted deque	
B. Output-restricted deque	
C. Priority queues	
D. None of above	
Answer : A	
Description :	
Category Code : 1	
	Edit this question
	4 0
$^{\sqcup}$ 30. Which of the following data structure is non-line	ar tyne?

B. Lists
C. Stacks
D. None of above
Answer : D
Description :
Category Code: 1
31. Which of the following data structure is linear type?
A. Strings
B. Lists
C. Queues
D. All of above
Answer : D
Description :
Category Code: 1
Edit this question
☐ 32. To represent hierarchical relationship between elements, which data structure is suitable?
A. Deque
B. Priority
C. Tree
D.All of above
Answer : C
Description :
Category Code: 1

A. Strings

□ 33. A binary tree whose every node has either zero or the children is called	two
A. Complete binary tree	
B. Binary search tree	
C. Extended binary tree	
D. None of above	
Answer : C	
Description :	
Category Code: 1	
	Edit this question
□ 34. The depth of a complete binary tree is given by	
A. $Dn = n log2n$	
$B.Dn = n \log 2n + 1$	
C.Dn = log2n	
D. Dn = log2n+1	
Answer : D	
Description :	
Category Code: 1	
	Edit this question
□ 35. When representing any algebraic expression E whi only binary operations in a 2-tree,	ch uses
A. the variable in E will appear as external nodes and operations in internal nodes	
B. the operations in E will appear as external nodes and variables in internal nod	les
C. the variables and operations in E will appear only in internal nodes	

D. the variables and operations in E will appear only in external nodes
Answer : A
Description :
Category Code: 1
Edit this question
☐ 36. A binary tree can easily be converted into á 2-tree
A. by replacing each empty sub tree by a new internal node
B.by inserting an internal nodes for non-empty node
C. by inserting an external nodes for non-empty node
D. by replacing each empty sub tree by a new external node
Answer : D
Description :
Category Code: 1
Edit this question
☐ 37. When converting binary tree into extended binary tree, all the original nodes in binary tree are
A. internal nodes on extended tree
B. external nodes on extended tree
C. vanished on extended tree
D. None of above
Answer : A
Description :
Category Code: 1

Edit this question

☐ 38. The post order traversal of a binary tree is DEBFCA Find out the pre order traversal
A.ABFCDE
B. ADBFEC
C. ABDECF
D. ABDCEF
Answer : C
Description :
Category Code: 1
Edit this question
□ 39. Which of the following sorting algorithm is of divide-and-conquer type?
A. Bubble sort
B. Insertion sort
C. Quick sort
D. All of above
Answer : C
Description :
Category Code: 1
Edit this question
$\Box$ 40. An algorithm that calls itself directly or indirectly is known as
A. Sub algorithm
B. Recursion

D. Traversal algorithm
Answer : B
Description:
Category Code: 1
□ 51. Value of the first linked list index is
A. One
B. Zero
C1
D. None of these
Answer: B
Description:
Category Code: 1
Edit this question
52. A linked list index is that represents the position of a node in a linked list.
32. A fined list fluck is that represents the position of a
node in a linked list.
node in a linked list.  A. an Integer
node in a linked list.  A. an Integer  B.a variable
node in a linked list.  A. an Integer  B.a variable  C. a character
node in a linked list.  A. an Integer B.a variable C. a character D. a boolean
node in a linked list.  A. an Integer B.a variable C. a character D. a boolean  Answer: A

53. Why is the constructor of the LinkedList class empty?
. because initialization of data members of the LinkedList class is performed by the constructor of the inkedList class.
. because initialization of data members of the LinkedList class is performed by the destructor of the inkedList class.
because initialization of data members of the QueueLinkedList class is performed by the constructor f the LinkedList class.
because initialization of data members of the QueueLinkedList class is performed by the destructor of the LinkedList class
nswer : A
escription :
ategory Code : 1
54 form of access is used to add and remove nodes from queue
. LIFO,Last In First Out
. FIFO , First In First Out
. FIFO , First In First Out . Both (a) and (c)
Both (a) and (c)
Both (a) and (c)     None of these
Both (a) and (c)  None of these  nswer : B
Both (a) and (c)  None of these  nswer: B  escription:
Both (a) and (c)  None of these  nswer: B  escription:
Both (a) and (c)  None of these  nswer : B  escription : ategory Code : 1

A. LIFO	
B.FIFO	
C. Both (a) and (b)	
D. None of these	
Answer : A	
Description :	
Category Code : 1	
	Edit this question
56. New nodes are added to the of the queue.	
A.front	
B.back	
C.middle	
D.Both 1 and 2	
Answer : B	
Description :	
Category Code: 1	
	Edit this question
□ 57. A is a data structure that organizes data similar to a	
line in the supermarket, where the first one in line is the fi	irst one
out.	
A. queue linked list	
B.stacks linked list	
C. both of them	

D. neither of them	
Answer : A	
Description :	
Category Code: 1	
	Edit this question
□ 58. In an array queue, data is stored in an	element.
A.Node	
B.linked list	
C.array	
D.constructor	
Answer : C	
Description :	
Category Code: 1	
	Edit this question
<b>59.</b> The pop() member function determines in	f the stack is empty
by calling the member function	
by calling the member function	
by calling the member function  A. removeback()	
by calling the member function  A. removeback()  B.isEmpty()	
by calling the member function  A. removeback()  B.isEmpty()  C.removedfront()	
by calling the member function  A. removeback()  B.isEmpty()  C.removedfront()  D.hasNext()	

□ 60. What happens when you push a new node onto a stack?
A. the new node is placed at the front of the linked list.
B. the new node is placed at the back of the linked list.
C. the new node is placed at the middle of the linked list.
D. No Changes happens
Answer : A
Description :
Category Code: 1
□ 41 <b>.</b>
In a binary tree, certain null entries are replaced by special pointers which point to nodes higher in the tree for efficiency. These special pointers are called
A. Leaf
B. branch
C. path
D. thread
Answer : D
Description :
Category Code: 1
Edit this question
☐ 42. The in order traversal of tree will yield a sorted listing of elements of tree in
A.Binary trees

B.Binary search trees
C. Heaps
D. None of above
Answer : B
Description :
Category Code: 1
Edit this question
□ 43. In a Heap tree
A.Values in a node is greater than every value in left sub tree and smaller than right sub tree
B.Values in a node is greater than every value in children of it
C. Both of above conditions applies
D. None of above conditions applies
Answer : B
Description :
Category Code: 1
Edit this question
44. In a graph if e=[u, v], Then u and v are called
A.endpoints of e
B.adjacent nodes
C. neighbors
D. all of above
Answer : D
Description :

Category Code: 1	
	Edit this question
☐ 45. A connected graph T without any cycles is called	
A a tree graph	
A.a tree graph	
B.free tree	
C. a tree	
D. All of above	
Answer : D	
Description :	
Category Code: 1	
	Edit this question
□ 46. In a graph if e=(u, v) means	
A.u is adjacent to v but v is not adjacent to u	
B.e begins at u and ends at v	
C. u is processor and v is successor	
D. both b and c	
Answer : D	
Description :	
Category Code: 1	
	Edit this question
47. If every node u in G is adjacent to every other nod graph is said to be	de v in G, A

2. finite 2. strongly connected Answer : B Description : Category Code : 1  Edit this question  48. The complexity of linear search algorithm is  3. O(n) 3. O(log n) 5. O(n log n) 6. O(secription : Category Code : 1  Edit this question  Edit this question  Edit this question  Edit this question  49. The complexity of merge sort algorithm is  1. O(n)  3. O(log n)  6. O(n)  6. O(n)  7. O(n)  8. O(log n)  8. O(log n)  9. O(log n)  10. O(log n)  11. O(log n)  12. O(log n)  13. O(log n)  14. O(log n)  15. O(log n)  16. O(log n)  17. O(log n)  18. O(log n)	A. isolated	
Obstrongly connected  Answer: B  Description: Category Code: 1  Edit this question  48. The complexity of linear search algorithm is  A (O(n)  3. O(log n)  C. O(n2)  D. O(n log n)  Answer: A  Description: Category Code: 1  Edit this question  49. The complexity of merge sort algorithm is  A. O(n)  3. O(log n)  C. O(n2)  C. O(n3)  C. O(n3)	B.complete	
Answer: B Description: Category Code: 1  Edit this question  48. The complexity of linear search algorithm is  A.O(n) 3.O(log n) 6.O(n2) 9. O(n log n) Answer: A Description: Category Code: 1  Edit this question  49. The complexity of merge sort algorithm is 3. O(n) 3.O(log n) 6.O(n2) 6.O(n3) 7. O(n3) 8.O(log n) 7. O(n3) 8.O(log n)	C. finite	
Description: Category Code: 1  Edit this question  48. The complexity of linear search algorithm is  A.O(n)  3.O(log n) C.O(n2) D. O(n log n) Answer: A Description: Category Code: 1  Edit this question  49. The complexity of merge sort algorithm is A. O(n) 3.O(log n) C.O(n2)	D.strongly connected	
Edit this question  48. The complexity of linear search algorithm is  A.O(n)  3.O(log n)  C.O(n2)  D. O(n log n)  Answer: A  Description:  Category Code: 1  Edit this question  49. The complexity of merge sort algorithm is  A. O(n)  3.O(log n)  C.O(n2)	Answer : B	
48. The complexity of linear search algorithm is  3.O(n) 3.O(log n) 5.O(n log n) 5.O(n log n) 5.Oscription: 5.Oscription: 6.Oscription: 6.Oscription: 6.O(n) 6.O(n) 6.O(n) 6.O(n) 6.O(n) 6.O(n) 6.O(n) 6.O(n)	Description :	
48. The complexity of linear search algorithm is  3.O(log n) 3.O(log n) 3.O(n log n) 49. The complexity of merge sort algorithm is 4. O(n) 3.O(n) 3.O(n) 3.O(n) 3.O(n) 3.O(n) 3.O(n)	Category Code: 1	
A.O(n) 3.O(log n) 5.O(n2) 5.O(n log n) 6.Answer : A Description : Category Code : 1  Edit this question  49. The complexity of merge sort algorithm is a. A. O(n) 3.O(log n) 5.O(n2)		Edit this question
B.O(log n) C.O(n2) D. O(n log n) Answer: A Description: Category Code: 1  Edit this question  49. The complexity of merge sort algorithm is A. O(n) B.O(log n) C.O(n2)	48. The complexity of linear search algorithm is	
2.O(n2) D. O(n log n) Answer: A Description: Category Code: 1  Edit this question  49. The complexity of merge sort algorithm is A. O(n) B.O(log n) C.O(n2)	A.O(n)	
Answer: A Description: Category Code: 1  Edit this question  49. The complexity of merge sort algorithm is A. O(n) B.O(log n) C.O(n2)	B.O(log n)	
Answer: A Description: Category Code: 1  Edit this question  49. The complexity of merge sort algorithm is a. A. O(n) B.O(log n) C.O(n2)	C.O(n2)	
Description:  Category Code: 1  Edit this question  49. The complexity of merge sort algorithm is  a.  A. O(n)  B. O(log n)  C. O(n2)	D. O(n log n)	
Edit this question  49. The complexity of merge sort algorithm is  A. O(n)  3. O(log n)  C. O(n2)	Answer : A	
49. The complexity of merge sort algorithm is  a. O(n)  3. O(n)  2. O(n2)	Description :	
49. The complexity of merge sort algorithm is  A. O(n)  B.O(log n)  C.O(n2)	Category Code: 1	
4. O(n) 3. O(log n) C.O(n2)		Edit this question
A. O(n) B.O(log n) C.O(n2)		
3.O(log n) C.O(n2)	a.	
C.O(n2)	A. O(n)	
	B.O(log n)	
O.O(n log n)	C.O(n2)	
	D.O(n log n)	

Answer: D	
Description :	
Category Code : 1	
	•
Edit this c	question
<b>50.</b> Which of the following case does not exist in complexity	
theory	
A.Best case	
B.Worst case	
C.Average case	
D.Null case	
Answer : D	
Description :	
Category Code: 1	
61. What happens when you push a new node onto a stack?	
A.the new node is placed at the front of the linked list.  B.the new node is placed at the back of the linked list.  C.the new node is placed at the middle of the linked list.  D.No Changes	
Answer : A	
Description :	
Category Code: 1	
Edit this c	question
62. A Linked list can grow and shrink in size dynamically at	
A.Beginning B.run time C.Ending D.none of the above	

Answer: B	
Description :	
Category Code : 1	
<u> </u>	Edit this question
☐ 63. What member function places a new node at the end linked list?	of the
A.appendNode() B.addNode() C.displayNode() D.structNode()	
Answer : A	
Description :	
Category Code: 1	
64. The function retrieves the value of the size not the LinkedList class	nember
A.getSize() B.giveSize() C.seeSize() D.addSize()	
Answer : A	
Description :	
Category Code: 1	
<u> </u>	Edit this question
65. Elements of an array are stored in memory	
A.Periodical  B.Sequentially  C.Parallelly	

D.None of the above	
Answer : B	
Description :	
Category Code : 1	
	Edit this acception
	Edit this question
☐ 66. Each entry in a linked list is ca	alled a
A.Link B.Node	
C.data structure	
D.array index	
Answer : A	
Description :	
Category Code : 1	
	Edit this question
$^{\square}$ 67. How many parts are there in a	declaration statement?
A.1	
B.2 C.3	
D.4	
Answer : C	
Description :	
Category Code: 1	
	Edit this question
□ 68. is the way you grou	p things together by placing
one thing on top of another and then	
from the top	
A.Array	
, m m·~j	

Answer: B  Description:  Category Code: 1  Edit this question  69. Pushdown list means:  A.Stack B.Queue C.Linked list D. All of the above  Answer: D  Description:  Category Code: 1  Edit this question  70. Which of the following is the feature of stack?  A.All operations are at one end B.It cannot reuse its memory C.All elements are of different data types D.Any element can be accessed from it directly  Answer: A  Description:  Category Code: 1	71. The five items: A, B, C, D and E are pushed in a stack, of the other starting from A. The stack is popped four times an	
Answer: B  Description:  Category Code: 1  Edit this question  69. Pushdown list means:  A.Stack B.Queue C.Linked list D. All of the above  Answer: D  Description:  Category Code: 1  Edit this question  70. Which of the following is the feature of stack?  A.All operations are at one end B.It cannot reuse its memory C.All elements are of different data types D.Any element can be accessed from it directly  Answer: A  Description:		
Answer: B  Description:  Category Code: 1  Edit this question  69. Pushdown list means:  A. Stack B. Queue C. Linked list D. All of the above  Answer: D  Description:  Category Code: 1  Edit this question  Full this question  Category Code: 1		
Answer: B  Description:  Category Code: 1  Edit this question  69. Pushdown list means:  A.Stack B.Queue C.Linked list D. All of the above  Answer: D  Description:  Category Code: 1  Edit this question  A.Bl operations are at one end B.It cannot reuse its memory C.All elements are of different data types D.Any element can be accessed from it directly		
Answer: B  Description:  Category Code: 1  Edit this question  69. Pushdown list means:  A.Stack B.Queue C.Linked list D. All of the above  Answer: D  Description:  Category Code: 1  Edit this question  Edit this question		
Answer: B  Description:  Category Code: 1  Edit this question  69. Pushdown list means:  A.Stack B.Queue C.Linked list D. All of the above  Answer: D  Description:  Category Code: 1  Edit this question	C.All elements are of different data types	
Answer: B  Description:  Category Code: 1  Edit this question  69. Pushdown list means:  A.Stack B.Queue C.Linked list D. All of the above  Answer: D  Description:  Category Code: 1  Edit this question	B.It cannot reuse its memory	
Answer: B  Description:  Category Code: 1  Edit this question  69. Pushdown list means:  A.Stack B.Queue C.Linked list D. All of the above  Answer: D  Description:  Category Code: 1	A.All operations are at one end	
Answer: B  Description:  Category Code: 1  Edit this question  69. Pushdown list means:  A.Stack B.Queue C.Linked list D. All of the above  Answer: D  Description:  Category Code: 1	□ 70. Which of the following is the feature of stack?	
Answer: B  Description:  Category Code: 1  Edit this question  69. Pushdown list means:  A.Stack B.Queue C.Linked list D. All of the above  Answer: D  Description:	E	dit this question
Answer: B  Description:  Category Code: 1  Edit this question  69. Pushdown list means:  A.Stack B.Queue C.Linked list D. All of the above  Answer: D	Category Code: 1	
Answer: B  Description:  Category Code: 1  Edit this question  69. Pushdown list means:  A.Stack B.Queue C.Linked list D. All of the above	Description :	
Answer: B  Description:  Category Code: 1  Edit this question  69. Pushdown list means:  A.Stack  B.Queue  C.Linked list	Answer : D	
Answer: B  Description:  Category Code: 1  Edit this question  69. Pushdown list means:  A.Stack  B.Queue	D. All of the above	
Answer: B  Description:  Category Code: 1  Edit this question  69. Pushdown list means:  A.Stack	C.Linked list	
Answer: B  Description:  Category Code: 1  Edit this question  69. Pushdown list means:	B.Queue	
Answer: B  Description:  Category Code: 1  Edit this question	A.Stack	
Answer : B  Description :  Category Code : 1	□ 69. Pushdown list means:	
Answer : B  Description :	<u>E</u>	dit this question
Answer : B	Category Code: 1	
	Description :	
LD.All of the above		
B.Stack C.Pointer		

element is inserted in a queue. Then two elements are	deleted from
the queue and pushed back on the stack. Now one item	ı is popped
from the stack.	
The popped item is.	
A.A	
B.B	
C.C D.D	
Answer : D	
Description :	
Category Code: 1	
	Edit this question
72 To delete a dynamically allocated array named	602 4ha
12. To utitle a dynamically anotated array named	a, me
correct statement is	
A.delete a;	
B.delete a[0];	
C.delete []a;	
D.delete [0]a;	
Answer : A	
Description :	
Category Code: 1	
	Edit this question
□ 73. To create a linked list, we can allocate space and	d make
something point to it, by writing:	,,
struct-name *pointer-variable;	
Which of the following statement will correctly allocat	e the snace
and of the following statement will correctly and cat	e me space
A.pointer-variable = malloc(sizeof(*struct-name));	

B.pointer-variable = malloc(sizeof(struct struct-name));	
C. pointer-variable = alloc(sizeof(struct struct-name)); D.pointer-variable = alloc(sizeof(*struct-name));	
Answer : B	
Description :	
Category Code : 1	
	Edit this question
<ul> <li>74. The size of a structure can be determined by</li> <li>a. size of variable name</li> <li>b. size of (struct tag)</li> </ul>	
A.Only a B.Only b C.Both a and b D.None of these options	
Answer : C	
Description :	
Category Code: 1	
	Edit this question
☐ 75. The reason for using pointer is Choose the false option from the following sentences	
A.Accessing arrays or string elements	
B.Dynamic memory allocation	
C.Implementing linked list,trees,graphs and many other data structures	
D.All are false	
Answer : A	
Description :	

Category Code: 1
------------------